

Equivalency Evaluation Report

Product Manufacturer

Natural Light Energy Systems
10821 N. 23rd Ave.
Phoenix, AZ 85029

Product Name, Model, Series and/or Description

Solar Attic Fan Powered by Photo Voltaic Panel
Curb-Mounted Solar Attic Fan Powered by Photo Voltaic Panel

Code: Current Edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code

Compliance Method: Product Approval Rule 61G20-3.015(4)(d) – Equivalency of Standards

Product Testing:

- Architectural Testing Inc. Test Report No. A8071.01-301-18, dated 3/21/11, ASTM E330-02 tested, Self-Flashing Roof Mounted Attic Ventilation Fan, Series/Model: Solar Attic Fan with 40-Watt Solar Panel for Natural Light Energy Systems.
- Architectural Testing Inc. Test Report No. A8071.02-301-18, dated 8/24/11, TAS 202 tested, Self-Flashing Roof Mounted Attic Ventilation Fan, Series/Model: Solar Attic Fan with 40-Watt Solar Panel for Natural Light Energy Systems. Signed and sealed by Tyler L. Westerling, P.E., Florida PE License No. 72012.
- PRI Construction Materials Technologies Test Report No. NLES-001-02-02, dated 12/30/09, Performance Test Report; Natural Light Systems – Solar Attic Fan for Asphalt Shingle Roofs – TAS 100(A)-95. Signed and sealed by Duc T. Nguyen, P.E., Florida PE License No. 65034.
- PRI Construction Materials Technologies Test Report No. NLES-002-02-02, dated 06/26/17, Performance Test Report; Natural Light Systems – Solar Attic Fan for Corrugated Tile Roofs – TAS 100(A)-95. Signed and sealed by Duc T. Nguyen, P.E., Florida PE License No. 65034.

Performance Testing:

- ASTM E330-02
- TAS 202-94, 2010 FBC
- TAS 100(A)-95, 2007 FBC
- TAS-100(A)-95, 2014/2017 FBC

Equivalency Evaluation:

The following table shows the performance standards used in testing and those in the current edition of the FBC used for this equivalency evaluation.

Standard Used in Testing		Current Edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code		Comments
Description	Revision Level	Building Volume (FBC)	Residential Volume (FRC)	
ASTM E330	02	14	14	See Evaluation Below
TAS 202-94	94	94	94	
TAS 100(A)-95, 2007 FBC	95	23	23	
TAS-100(A)-95, 2014/2017 FBC	95	23	23	

The ASTM reference standard(s) listed above and used in testing have been compared to their current revision level(s) in the 8th Edition (2023) Florida Building Code and found to be acceptable.

The TAS HVHZ Test Protocol listed above has been compared to their current revision levels in the 8th Edition (2023) Florida Building Code – HVHZ Testing Protocols and found to be acceptable. Changes in the current revision do not affect the results obtained using previous versions of the reference standard.

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Certificate of Independence per Product Approval Rule 61G20-3.009

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Evaluated by:
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